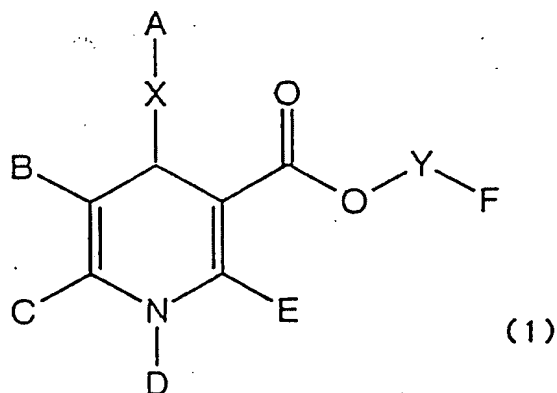


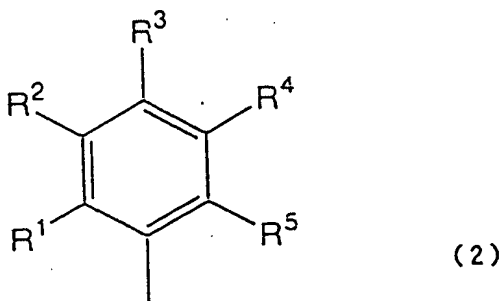
IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (currently amended): A dihydropyridine of formula (1) or a pharmaceutically acceptable salt thereof:



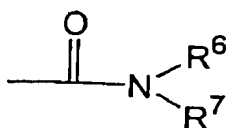
wherein A represents a group of formula (2), or 1-naphthyl, 2-naphthyl, thiophene-3-yl, thiophene-2-yl, furan-3-yl, furan-2-yl, pyridine-4-yl, pyridine-3-yl, pyridine-2-yl, indole-2-yl or indole-3-yl group:



wherein R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup> and R<sup>5</sup> may be the same or different from each other and each represent hydrogen atom, a halogen atom, hydroxyl group, carboxyl group, amino group, cyano group, nitro group, a lower alkyl group, a lower alkoxy group, a lower alkenyl group, a lower alkynyl group, a lower alkylamino group, a lower alkylthio group, a lower alkanoyl

group, a lower alkoxy carbonyl group, a hydroxy-lower alkyl group, a hydroxy-lower alkoxy group, a hydroxy-lower alkenyl group, a halogeno-lower alkyl group, a halogeno-lower alkoxy group, a halogeno-lower alkenyl group, an aryl group, an aryl-lower alkoxy group or an aroyl group,

B represents cyano group, ~~nitro group~~, carboxyl group, ~~acetyl group~~ or a group of formula (3):



wherein R<sup>6</sup> and R<sup>7</sup> may be the same or different from each other and each represent hydrogen atom, a lower alkyl group, an amino-lower alkyl group, an amino-lower alkyl group substituted with one or two lower alkyl groups, a carboxy-lower alkyl group, a hydroxy-lower alkyl group, a lower cycloalkyl group, an amino-lower alkenyl group, a carboxy-lower alkenyl group, a hydroxy-lower alkenyl group, an aryl group, a substituted or unsubstituted pyridyl group, a substituted or unsubstituted furyl group, an aryl-lower alkyl group, a substituted or unsubstituted pyridyl-lower alkyl group, a substituted or unsubstituted furyl-lower alkyl group, a lower alkyl group substituted with a cyclic alkyl group which may have a hetero atom in the ring, an aryl-lower alkenyl group or an aryl-lower alkyloxycarbonyl-lower alkyl group, or R<sup>6</sup> and R<sup>7</sup> may together form a ring which may contain a hetero atom and when the hetero atom is nitrogen atom, it may have a substituent,

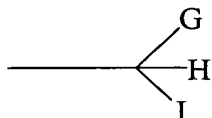
C and E may be the same or different from each other and each represent hydrogen atom; a lower alkyl group; dimethoxymethyl group; cyano group; a hydroxy-lower alkyl group; a carboxy-lower alkyl group; a halogeno-lower alkyl group; an amino-lower alkyl

group, in which the amino group may be substituted with one or two of a lower alkyl group, a lower cycloalkyl group, an aryl group or an aryl-lower alkyl group; an azido-lower alkyl group; an aryl group; a substituted or unsubstituted pyridyl group; a substituted or unsubstituted furyl group; an aryl-lower alkyl group; a substituted or unsubstituted pyridyl-lower alkyl group; a substituted or unsubstituted furyl-lower alkyl group; a lower alkyl group substituted with a cyclic alkyl group which may contain a hetero atom in the ring; a substituted or unsubstituted pyridyl-lower alkoxymethyl group; a substituted or unsubstituted furyl-lower alkoxymethyl group; a pyridinylethoxymethyl group; a lower alkoxymethyl group substituted with a cycloalkyl group which may contain a hetero atom in the ring; or a carbamoyl-lower alkyl group, in which the carbamoyl group may be substituted with one or two of a lower alkyl group, a lower cycloalkyl group, an aryl group or an aryl-lower alkyl group,

D represents a hydrogen atom, ~~a lower alkyl group, a hydroxy lower alkyl group or an aryl lower alkyl group,~~

F represents a group of formula (4):

(4)



wherein G and H ~~may be the same or different from each other and~~ each represent phenyl group, ~~benzyl group, 1-naphthyl group, 2-naphthyl group, thiophene-3-yl group, thiophene-2-yl group, furan-3-yl group, furan-2-yl group, pyridine-4-yl group, pyridine-3-yl~~

~~group, pyridine-2-yl group, pyridine-4-ylmethyl group, pyridine-3-ylmethyl group or pyridine-2-ylmethyl group~~, I represents hydrogen atom or hydroxyl group,

X represents an interatomic bond,  $-\text{CH}_2-$ ,  $-\text{CH}_2\text{CH}_2-$ ,  $-\text{CH}=\text{CH}-$  or  $-\text{C}\equiv\text{C}-$ , and

Y represents an alkylene group having ~~1 to 7~~ 2 or 3 carbon atoms, ~~which may contain a hetero atom or cyclopropane ring in the chain, or an alkenylene group, which may contain a hetero atom or cyclopropane ring in the chain.~~

Claim 2 (canceled).

Claim 3 (currently amended): A dihydropyridine or pharmaceutically acceptable salt thereof according to claim ~~2~~ 1, wherein A represents a group of formula (2) and X represents an interatomic bond.

Claim 4 (previously presented): A dihydropyridine or pharmaceutically acceptable salt thereof according to claim 3, wherein B represents carboxyl group or a group of formula (3).

Claim 5 (previously presented): A dihydropyridine or pharmaceutically acceptable salt thereof according to claim 3, wherein C and E may be the same or different from each other and each represent a lower alkyl group, a lower alkyl group substituted with a cyclic alkyl group, which may contain a hetero atom in the ring, a hydroxy-lower alkyl group, an aryl-lower alkyl group, a pyridyl-lower alkyl group, or a furyl-lower alkyl group.

Claim 6 (previously presented): A dihydropyridine or pharmaceutically acceptable salt thereof according to claim 5, wherein A represents a group of formula (2) wherein  $\text{R}^1$ ,  $\text{R}^3$ ,

R<sup>4</sup> and R<sup>5</sup> each represent hydrogen atom and R<sup>2</sup> represents chlorine atom, bromine atom, iodine atom, nitro group or cyano group, C and E may be the same or different from each other, and they each represent methyl group, ethyl group, a lower alkyl group substituted with a cycloalkyl group which may contain a hetero atom in the ring, a hydroxy-lower alkyl group, an aryl-lower alkyl group, a pyridyl-lower alkyl group, or a furyl-lower alkyl group, and I represents hydrogen atom.

Claim 7 (previously presented): A dihydropyridine or pharmaceutically acceptable salt thereof according to claim 6, wherein B represents carboxyl group.

Claims 8 and 9 (canceled).

Claim 10 (previously presented): A dihydropyridine or pharmaceutically acceptable salt thereof according to claim 3, wherein C represents hydrogen atom, a lower alkyl group, dimethoxymethyl group, cyano group, a hydroxy-lower alkyl group, a halogeno-lower alkyl group, an amino-lower alkyl group (in which the amino group may be substituted with one or two of a lower alkyl group, a lower cycloalkyl group, an aryl group and an aryl-lower alkyl group), an azido-lower alkyl group, an aryl group, a pyridyl group, a furyl group, an aryl-lower alkyl group, a pyridyl-lower alkyl group, a furyl-lower alkyl group, a lower alkyl group substituted with a cyclic alkyl group (which may contain a hetero atom in the ring) or a carbamoyl-lower alkyl group (in which the carbamoyl group may be substituted with one or two of a lower alkyl group, a lower cycloalkyl group, an aryl group and an aryl-lower alkyl group), and E represents methyl group, ethyl group, a lower alkoxymethyl group, a hydroxy-lower alkoxymethyl group, an aryl-lower alkoxymethyl group, a pyridyl-lower alkoxymethyl

group, a furyl-lower alkoxymethyl group, or a lower alkoxymethyl group substituted with a cycloalkyl group (which may contain a hetero atom in the ring).

Claim 11 (previously presented): A dihydropyridine or pharmaceutically acceptable salt thereof according to claim 10 wherein B represents carboxyl group.

Claim 12 (currently amended): A dihydropyridine or pharmaceutically acceptable salt thereof according to claim 1 wherein A represents a group of formula (2), ~~B represents carboxyl group, cyano group or a group of formula (3), D represents hydrogen atom,~~ C and E may be the same or different from each other, and they each represent a lower alkyl group, a lower alkyl group substituted with a cycloalkyl group, which may contain a hetero atom in the ring, an aryl-lower alkyl group, a pyridyl-lower alkyl group, a furyl-lower alkyl group, or a hydroxy-lower alkyl group, and X represents an interatomic bond.

Claim 13 (previously presented): A dihydropyridine or pharmaceutically acceptable salt thereof according to claim 12, wherein B represents carboxyl group.

Claim 14-19 (canceled).

Claim 20 (previously presented): A pharmaceutical composition comprising a dihydropyridine or pharmaceutically acceptable salt thereof according to claim 1 and an inert carrier.

Claims 21-23 (canceled).

Claim 24 (previously presented): A pharmaceutical composition comprising a dihydropyridine or pharmaceutically acceptable salt thereof according to claim 3 and an inert carrier.

Claim 25 (previously presented): A pharmaceutical composition comprising a dihydropyridine or pharmaceutically acceptable salt thereof according to claim 12 and an inert carrier.

Claim 26 (canceled).

Claim 27 (currently amended): A dihydropyridine or pharmaceutically acceptable salt thereof according to claim 1, wherein said pyridyl-lower alkyl group is a pyridylmethyl group, and said pyridyl-lower alkoxymethyl group is a 2-(2-pyridyl)ethoxymethyl group, a 2-(3-pyridyl)ethoxymethyl group, or a 2-(4-pyridyl)ethoxymethyl group.

Claims 28-30 (canceled).

Claim 31 (previously presented): A pharmaceutical composition according to claim 20, wherein said pyridyl-lower alkyl group is a pyridylmethyl group, and said pyridyl-lower alkoxymethyl group is a 2-(2-pyridyl)ethoxymethyl group, a 2-(3-pyridyl)ethoxymethyl group, or a 2-(4-pyridyl)ethoxymethyl group.

Claim 32 (previously presented): A pharmaceutical composition according to claim 20, wherein C is a 2-piperidinoethoxymethyl group, a pyrrolidinylethoxymethyl group, a morpholinylethoxymethyl group, a pyridinylethoxymethyl group, or a trifluoromethyl group.

U.S. Application No. 10/022,874  
Reply to Office Action dated August 4, 2005

Claims 33 and 34 (canceled).